

## INHIBITORS OF BINDING BETWEEN PROTEINS AND MACROMOLECULAR LIGANDS

### ABSTRACT OF THE DISCLOSURE

Disclosed is a compound which inhibits binding between a target protein and a  
5 macromolecular ligand of the target protein. The compound comprises a targeting group,  
an attaching group and, optionally a linker group. In one aspect of the invention, the  
targeting group is a moiety that binds non-covalently to a surface of the target protein  
with a  $K_d$  of greater than about  $0.1 \mu\text{M}$  and within sufficient proximity to the target  
protein/macromolecular ligand binding site to inhibit binding between the target protein  
10 and the macromolecular ligand. In another aspect of the invention, targeting group is  
degradable *in vivo*. In yet another aspect of the invention, the compound comprises a  
linker group that is cleavable *in vivo*.